

**PROCEDURE FOR THE VERIFICATION OF THE
PLANENESS OF BEARING BLOCKS
ASTM C 109**

A. PURPOSE

The purpose is to verify that the surface of the bearing blocks which contacts the specimen is plane. This verification is made annually.

B. APPARATUS REQUIRED

1. Straight edge 12 inches long.
2. Set of feeler thickness gauges.

C. PROCEDURE

1. Place the straight edge on the surface of the block to be checked. The straight edge should be parallel to the face of the machine.
2. With the gauge flat against the bearing block, slide the gauge along the straight edge and attempt to slide it between the straight edge and the bearing block. If the gauge will go between the bearing block and the straight edge, record the thickness. Be sure to check the full width of the block.
3. Rotate the straight edge 90° so that it is now at a right angle to the face of the machine.
4. Repeat Step 2.
5. At all times, be sure the straight edge is pressed against the block.
6. Follow this procedure for upper and lower blocks.

D. TOLERANCE

The bearing block shall be maintained plane within a permissible variation of:

0.0005 inches	New
0.001 inches	Used

EQUIPMENT VERIFICATION RECORD

Verified By: _____ Date: _____

Equipment: Bearing Blocks Compression Testing Machine Location (Lab): _____

Identification No.: _____ Verification Frequency: 12 months

Previous Verification Date: _____ Next Due Date: _____

Verification Equipment Used: Certified Feeler Gauge, SN: _____ Straight Edge, SN: _____

Verification Procedure: (In-house) OMR-CVP-39 / ASTM C 109

CIRCLE YES OR NO

Head Planeness, within 0.001 inch	(side to side)	YES	NO
Head Planeness, within 0.001 inch	(front to back)	YES	NO
Compression Table, within 0.001 inch	(side to side)	YES	NO
Compression Table, within 0.001 inch	(front to back)	YES	NO

REMARKS: _____
